



21 Griffin Rd. North
Windsor, CT 06095

T 860.298.9692
TRCcompanies.com

January 27, 2020

Mr. Adam Fox, P.E.
Principal Engineer
Environmental Compliance Section
Bureau of Engineering and Construction
State of Connecticut Department of Transportation
2800 Berlin Turnpike, P.O. Box 317546
Newington, CT 06131-7546

Attention: Amie Maines, P.E. / Mandy Socolosky

Subject: On-Call Asbestos, Lead, Air Quality & Demolition Compliance
Agreement No.: 8.07-01 (18)
HazMat Inspection - Bridge Nos. 03176 & 03177 (Site Nos. 1 & 2), Route 8 SB & NB over
Naugatuck River, Waterbury, CT
ConnDOT Assignment No. 519-6094
ConnDOT Project No. 151-333
TRC Project No. 289951.6094.0710

Dear Mr. Fox:

TRC performed a limited survey for hazardous building materials associated with the rehabilitations of Bridge Nos. 03176 & 03177 (Site Nos. 1 & 2), Route 8 SB & NB over Naugatuck River in Waterbury, Connecticut. Results of the survey identified no detectable amounts of lead in paint to be present on the structural steel/metal bridge components and concrete surfaces of Bridge Nos. 03166 & 03177. Since there were no detectable amounts of lead in the paint on any bridge surfaces, any potential waste stream would be non-hazardous, non-RCRA waste. Brittle white caulking between the metal railing supports and parapets walls at Bridge Nos. 03176 & 03177 was found to contain asbestos. Also, black insulation/coating on the west side of Bridge No. 03176 is presently presumed to contain asbestos. Other suspect caulking & bridge tars under the bridges were sampled and found to be non-detect for asbestos. Universal Waste/Connecticut Regulated Waste in the forms of fluorescent/mercury vapor/halogen bulbs with ballasts in the light poles were identified on the topside of Bridge Nos. 03176 & 03177, however, they will not be impacted by the project. Bird/pigeon guano accumulations were identified on the beams/abutment/piers in accessible areas of the bridges. No bloodborne pathogens (BBP) concerns were identified. Associated laboratory data, TRC Mobile Data Solutions report and project site map are attached.

If you have any questions, please call TRC at (860) 298-9692.

Very Truly Yours,

TRC

Reviewed By

Stephen R. Arienti, CHMM
Senior Project Scientist – Program Manager

Erik R. Plimpton, P.E., CHMM, CMC
Vice President – Engineer in Charge



Lead Based Paint Measurement Summary Table

Device(s): Niton XLP301-A (Serial #24792) X Ray Fluorescence (XRF) Spectrum Analyzer
 Site: Bridge Nos. 03176 & 03177, Waterbury, CT
 Project #: 289951.6094.0710
 Date(s): 10/21/2019
 Inspectors: Nick Selvo

Number	Interior/ Exterior	Location	Bridge No.	Side	Structure	Feature	Material	Color	Condition	Reading (mg/cm ²)	Precision (mg/cm ²)	Depth Index	Duration (sec)	Date/Time
1			Self Calibration										215.4	10/21/2019 9:20
2						VOID								
3			3.6 Calibration							3.5	0.3	1.2	3.7	10/21/2019 9:23
4			1.6 Calibration							1.5	0.1	1.1	5.9	10/21/2019 9:24
5			0.3 Calibration							0.3	0.1	1.1	5.9	10/21/2019 9:25
6	Exterior	Waterbury	Bridge No. 03176		Girder		Metal	White	Intact	0.0	0.0	1.0	1.2	10/21/2019 9:38
7	Exterior	Waterbury	Bridge No. 03176		Girder		Metal	White	Intact	0.0	0.0	1.0	1.5	10/21/2019 9:39
8	Exterior	Waterbury	Bridge No. 03176		Girder		Metal	White	Intact	0.0	0.0	1.0	1.1	10/21/2019 9:39
9	Exterior	Waterbury	Bridge No. 03176		Bearing		Metal	Green	Intact	0.0	0.0	1.0	1.8	10/21/2019 9:41
10	Exterior	Waterbury	Bridge No. 03176		Bearing		Metal	Green	Intact	0.0	0.0	1.0	2.6	10/21/2019 9:41
11	Exterior	Waterbury	Bridge No. 03176		Bearing		Metal	Green	Intact	0.0	0.0	1.0	1.4	10/21/2019 9:42
12	Exterior	Waterbury	Bridge No. 03177		Girder		Metal	White	Intact	0.0	0.0	1.0	1.3	10/21/2019 9:46
13	Exterior	Waterbury	Bridge No. 03177		Girder		Metal	White	Intact	0.0	0.0	1.0	1.3	10/21/2019 9:46
14	Exterior	Waterbury	Bridge No. 03177		Girder		Metal	White	Intact	0.0	0.0	1.0	1.2	10/21/2019 9:46
15	Exterior	Waterbury	Bridge No. 03177		Bearing		Metal	Green	Intact	0.0	0.0	1.0	1.6	10/21/2019 9:47
16	Exterior	Waterbury	Bridge No. 03177		Bearing		Metal	Green	Intact	0.0	0.0	1.0	1.1	10/21/2019 9:47
17	Exterior	Waterbury	Bridge No. 03177		Bearing		Metal	Green	Intact	0.0	0.0	1.0	1.2	10/21/2019 9:48
18	Exterior	Waterbury	Bridge No. 03177		Railing	Pedestal	Metal	Unpainted	Intact	0.0	0.0	1.0	3.3	10/21/2019 9:50
19	Exterior	Waterbury	Bridge No. 03177		Railing	Pedestal	Metal	Unpainted	Intact	0.0	0.1	1.0	0.1	10/21/2019 9:50
20	Exterior	Waterbury	Bridge No. 03177		Railing	Pedestal	Metal	Unpainted	Intact	0.0	0.0	1.0	2.6	10/21/2019 9:50
21	Exterior	Waterbury	Bridge No. 03177		Railing	Pedestal	Metal	Unpainted	Intact	0.0	0.0	1.0	1.2	10/21/2019 9:51
22	Exterior	Waterbury	Bridge No. 03176		Railing	Pedestal	Metal	Unpainted	Intact	0.0	0.0	1.0	3.2	10/21/2019 9:53
23	Exterior	Waterbury	Bridge No. 03176		Railing	Pedestal	Metal	Unpainted	Intact	0.0	0.0	1.0	1.8	10/21/2019 9:54
24	Exterior	Waterbury	Bridge No. 03176		Wall		Concrete	Grey	Intact	0.0	0.0	1.4	4.0	10/21/2019 10:03
25						VOID								
26	Exterior	Waterbury	Bridge No. 03176		Wall		Concrete	Grey	Intact	0.0	0.0	1.0	1.5	10/21/2019 10:04
27	Exterior	Waterbury	Bridge No. 03176		Wall		Concrete	Grey	Intact	0.0	0.0	1.0	1.2	10/21/2019 10:05
28	Exterior	Waterbury	Bridge No. 03177		Column		Concrete	Grey	Intact	0.0	0.0	1.0	20.5	10/21/2019 10:41
29	Exterior	Waterbury	Bridge No. 03177		Column		Concrete	Grey	Intact	0.0	0.0	1.3	3.3	10/21/2019 10:42
30			0.0 Calibration							0.0	0.0	1.0	1.9	10/21/2019 10:44
31			1.6 Calibration							1.6	0.3	1.2	2.6	10/21/2019 10:44
32			3.6 Calibration							3.7	0.3	1.3	5.7	10/21/2019 10:45

Lead paint includes paint found to contain **any detectable** amount of lead by Atomic Absorption Spectrophotometry (AAS) or X-Ray Fluorescence (XRF).

Side A = Street side; Sides B,C,D follow clockwise



Client: Mr. Nick Selvo
TRC Environmental Consultants
21 Griffin Rd., North
Windsor, CT 06095

Analytical Report

CET# 9100691

Report Date: October 28, 2019
Project: Bridges 03176 & 03177
Project Number: 289951

Connecticut Laboratory Certificate: PH 0116
Massachusetts Laboratory Certificate: M-CT903
Rhode Island Laboratory Certificate: 199



New York NELAP Accreditation: 11982
Pennsylvania Certificate: 68-02927

CET # : 9100691

Project: Bridges 03176 & 03177

Project Number: 289951

SAMPLE SUMMARY

The sample(s) were received at 22.0°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
01 Concrete Under 03177	9100691-01	Solid	10/21/2019 10:00	10/22/2019
03 Metal Beams Under 03176	9100691-02	Solid	10/21/2019 10:00	10/22/2019

Analyte: Total Lead [EPA 6010C]

Analyst: SS

Prep: EPA 3051A

Matrix: Solid

Laboratory ID	Client Sample ID	Result	RL	Units	Dilution	Batch	Prepared	Date/Time Analyzed	Notes
9100691-01	01 Concrete Under 03177	ND	0.10	%	1	B9J2822	10/28/2019	10/28/2019 15:55	
9100691-02	03 Metal Beams Under 03176	ND	0.10	%	1	B9J2822	10/28/2019	10/28/2019 16:00	

CET #: 9100691

Project: Bridges 03176 & 03177

Project Number: 289951

All questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

This technical report was reviewed by Robert Blake



David Ditta
Laboratory Director



Project Manager

Report Comments:

Sample Result Flags:

- E- The result is estimated, above the calibration range.
- H- The surrogate recovery is above the control limits.
- L- The surrogate recovery is below the control limits.
- B- The compound was detected in the laboratory blank.
- P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
- D- The RPD between the sample and the sample duplicate is high. Sample Homogeneity may be a problem.
- + - The Surrogate was diluted out.
- *C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
- *C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
- *F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
- *F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
- *I- Analyte exceeds method limits from second source standard in Initial Calibration Verification (ICV). No directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

For Percent Solids, if any of the following prep methods (3050B, 3540C, 3545A, 3550C, 5035 and 9013A) were used for samples pertaining to this report, the percent solids procedure is within that prep method.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at or above the specified reporting limit

Reporting Limit (RL) is the limit of detection for an analyte after any adjustment made for dilution or percent moisture.

All analyses were performed in house unless a Reference Laboratory is listed.

Samples will be disposed of 30 days after the report date.

CET # : 9100691

Project: Bridges 03176 & 03177

Project Number: 289951

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
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EPA 6010C in Solid

Lead	CT,NY,PA
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Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2020
NY	New York Certification (NELAC)	11982	04/01/2020
PA	Pennsylvania DEP	68-02927	05/31/2020



21 GRIFFIN ROAD NORTH
WINDSOR, CONNECTICUT 06095
TELEPHONE (860) 298-9692
FAX (860) 298-6380

ASBESTOS BULK SAMPLING CHAIN OF CUSTODY

Edition: October 2009
Supersedes Previous Edition

LAB ID #: 54376

PROJECT NUMBER		PROJECT NAME		PARAMETERS				TURNAROUND TIME						
289951.6094		ConnDOT - Bridges #03176 & #03177, Route 8, Waterbury, CT		PLM EPA 600/R93/116 (POSITIVE STOP)	PLM EPA 600/R93/116 (w/ gravimetric reduction) (POSITIVE STOP)	ANALYZE BY LAYER	POINT COUNT (IF >1% & <10%)	TEM NY NOB 198.4 (IF PLM SERIES NEG)	PLM:	8hr	24hr	48hr	3day	5day
SIGNATURE		INSPECTOR		SAMPLE LOCATION				MATERIAL						
FIELD SAMPLE NUMBER	DATE	TIME	TYPE	COMP	GRAB									
1	10/21/2019	10:05	X		X	Under bridge #03176	X						X	
2	10/21/2019	10:06	X		X	Under bridge #03176	X							
3	10/21/2019	10:19	X		X	Route 8 south	X						X	
4	10/21/2019	10:20	X		X	Route 8 south	X							
5	10/21/2019	10:23	X		X	Route 8 south	X							
6	10/21/2019	10:23	X		X	Route 8 south	X							
7	10/21/2019	10:26	X		X	Route 8 south	X							
8	10/21/2019	10:26	X		X	Route 8 south	X							

Relinquished by: (Signature)	Date:	Received by: (Signature)	Date:	Relinquished by: (Signature)	Date:	Received by: (Signature)
(Printed)	10/21/19	(Printed)	10/24/19	(Printed)		(Printed)
Nicholas Selvo	Time: 1400	Time: 1400				
Remarks:	Condition of Samples: Acceptable: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Comments:					



BULK ASBESTOS ANALYSIS REPORT

CLIENT: CT Department of Transportation

Lab Log #: 0054376
Project #: 289951.6094.0710
Date Received: 10/21/2019
Date Analyzed: 10/22/2019

Site: Bridges #03176 & 03177, Route 8, Waterbury, CT

POLARIZED LIGHT MICROSCOPY by EPA 600/R-93/116

Sample No.	Color	Homogenous	Multi-Layered	Layer No.	Other Matrix Materials	Asbestos %	Asbestos Type
1	Black (tar)	Yes	No	--	---	ND	None
2	Black (tar)	Yes	No	--	---	ND	None
3	White (caulking)	Yes	No	--	---	Trace	Chrysotile
4	White (caulking)	Yes	No	--	---	Trace	Chrysotile
5	Black (caulking)	Yes	No	--	---	ND	None
6	Black (caulking)	Yes	No	--	---	ND	None
7	Off White (caulk)	Yes	No	--	---	ND	None
8	Off White (caulk)	Yes	No	--	---	ND	None

Reporting limit- asbestos present at 1%

ND - asbestos was not detected

Trace - asbestos was observed at level of less than 1%

NA/PS - Not Analyzed / Positive Stop

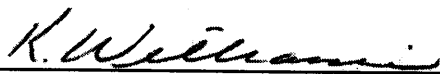
SNA- Sample Not Analyzed- See Chain of Custody for details

Note: Polarized-light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. In those cases, EPA recommends, and certain states (e.g. NY) require, that negative results be confirmed by quantitative transmission electron microscopy.


The Laboratory at TRC follows the EPA's Interim Method for the Determination of Asbestos in Bulk Insulation 1982 (EPA 600/M4-82-020) Bulk Analysis Code 18/A01 and the EPA recommended Method for the Determination of Asbestos in Bulk Building Materials July 1993, R.L. Perkins and B.W. Harvey, (EPA/600/R-93/116) Bulk Analysis Code 18/A03, which utilize polarized light microscopy (PLM). Our analysts have completed an accredited course in asbestos identification. TRC's Laboratory is accredited under the National Voluntary Laboratory Accreditation Program (NVLAP), for Bulk Asbestos Fiber Analysis, NVLAP Code 18/A01, effective through June 30, 2020. TRC is accredited by the AIHA Laboratory Accreditation Programs (AIHA-LAP), LLC in the Industrial Hygiene Program (IHLAP) for PLM effective through October 1, 2020. Asbestos content is determined by visual estimate unless otherwise indicated. Quality Control is performed in-house on at least 10% of samples and QC data related to the samples is available upon written request from client.

This report shall not be reproduced, except in full, without the written approval of TRC. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the U.S. Government. This report relates only to the items tested.

Analyzed by:


Kathleen Williamson, Laboratory Manager

Reviewed by:


Cathryn Lomire, Approved Signatory

Date Issued

10/22/2019

TRC LABORATORY ASBESTOS ANALYTICAL ACCREDITATIONS

NVLAP Lab Code 101424-0
RI #PLM0007 TX #300354
CO# AL-15020

AIHA-LAP, LLC #100122 CT #PH-0426
VT #AL910359 LA#05011 VA #3333 000283
PHIL# 461 PA#68-03387

ME LA-0075, LB-0071 MA #AA000052 NY #10980 WV #000622
AZ #A20944 HI #L-09-004 NJ #CT004 CA #2907

NT/8039

TEM Bulk Chain of Custody Record

Other:

EPA N.O.B Qualitative

					For Lab Use Only	
Client ID #	Lab ID#	Description	Location	Acceptable on Receipt	Comments	
1	54376	Tar	See COC			
3	54376	Caulking				
5	54376	Caulking				
7	54376	Caulk				
For Lab Use Only	# Spies	Total	Client #	Batch #	Results Reported	Comments

ProScience Analytical Services, Inc.

22 Cummings Park, Woburn, Massachusetts 01801
781-935-3212 ~ Fax: 781-932-4857 ~ E-Mail general@proscience.net

Laboratory Report


Client Project #: 289951.6094.0710
Client Reference: CT DOT - Bridge 03176 & 03177, Route 8, Waterbury, CT
PO #: C289951
Client #: 297
Client Name: TRC Companies, Inc. (CT)

Batch: NT 18039
Method: NOB
Date Received: 10/23/2019
Date Analyzed: 10/28/2019
Date of Report: 10/28/2019

LAB ID	Field ID	Description:	Color	Initial Weight	% Asbestos Types					% Other Non-asb.	% Organic	% Carb.	Total % Asbestos	Analyzed / Charged	Preped / Charged
					CHR	AMO	ACT	CRO	ANT						
NT135785	1	Black, Hard Tar		.7492	.00	.00	.00	.00	.00	5.34	66.43	28.23	ND	Yes	No
NT135786	3	White, Brittle Guardrail Caulking		.5380	3.76	.00	.00	.00	1.25	20.06	17.53	57.40	5.01	Yes	No
NT135787	5	Black Sidewalk Caulking		.5070	.00	.00	.00	.00	.00	32.57	61.32	6.11	ND	Yes	No
NT135788	7	Hard, Off-white Caulk		.9013	.00	.00	.00	.00	.00	55.67	39.32	5.01	ND	Yes	No

Comments:

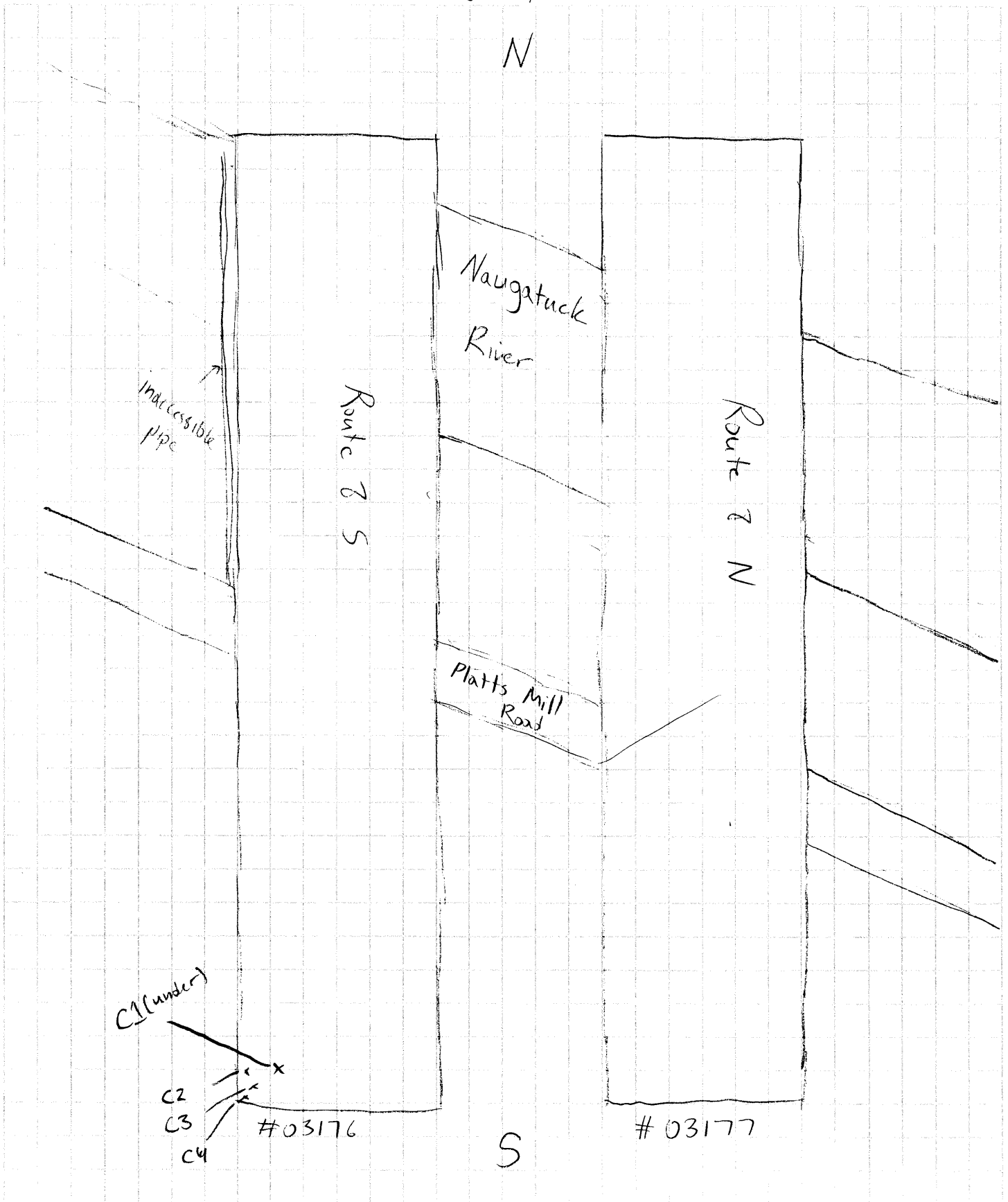
Key: CHR = Chrysotile AMO = Amosite CRO = Crocidolite ACT = Actinolite TRE = Tremolite ANT = Anthophyllite TR = Trace = < 1% ND = None Detected


Mark Derosier, Analyst



SUBJECT Bridge # 03176 &
03177


SHEET NO. 1 OF
PROJECT NO. 289951.0094
DATE 10/21/19
BY Nick Selvo
CHK'D



ConnDOT, Bridges #03176 & #03177, , , Waterbury, , CT, US, Route 8,

Created	2019-10-21 12:24:30 UTC by Nicholas Selvo
Updated	2019-10-21 17:52:54 UTC by Nicholas Selvo
Location	41.8320118717033, -72.66565939435
Status	■ Survey Complete

Job Information

Site Name	Bridges #03176 & #03177
Address	Route 8 Waterbury, CT
TRC Project Number	289951.6094
Project Manager	Erik Plimpton, Stephen Arienti
Inspector(s)	Nick Selvo, Tyler Noll
Client	ConnDOT
Type of Asbestos Survey	Reno/Demo
Additional Analysis for NOB Materials (Calc)	TEM NY NOB 198.4
PLM Turnaround Time (TAT)	3-day
TEM Turnaround Time (TAT)	3-day
Date	2019-10-21
General Notes	03177 is route 8 north, 03176 is route 8 south
Overview Photo	



South side



North side



Underneath 03176



From south end of route 8 S

TRC **BSI Daily Job Safety Assessment Briefing**

Project Name: Bridges # 03178, 03179, 03176, 03177 Project Number: 289951, 6079, 6094
Work Location: Route 8, Waterbury, CT Date: 10/21/2019
Tasks Performed: Asbestos, XRF, Hazmat Survey Time: 9:15 AM PM
Client Name: ConnDOT JSA Completed By: Nick Selbo

HASP Available: Yes ☐ No ☒ Emergency Evacuation/Rally Point Location: Car
Emergency Facility(s): Waterbury Hospital Number(s): (203) 573-6000
Physical Address: 64 Robbins St., Waterbury CT 06708
First Aid/CPR Staff: Nick Selbo

For Emergencies Dial 911 - For Non-Emergencies Dial Supervisor First Then WorkCare (888) 449-7787

Personal Protective Equipment Required		Procedures/Programs Required		Additional Considerations	
Yes	No	Yes	No	Yes	No
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Fall Protection		Hot Work		Work Procedures:	
harness/lanyard, lifelines, barricades, other (specify)		LOTO/Energy Control		<input type="checkbox"/> Utility clearance (OH & CBVD) <input type="checkbox"/> Decon	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> Vehicle use/parking <input type="checkbox"/> SDS <input type="checkbox"/> First aid kit	
Eye/Face		Signs/Barricades		<input checked="" type="checkbox"/> Discuss potential exposure to hazards & controls	
goggles, face shield, glasses, other (specify)		Confined Space Entry		People: <input type="checkbox"/> Worker fatigue <input type="checkbox"/> Other work groups	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Fall Protection		<input checked="" type="checkbox"/> Public safety <input type="checkbox"/> Pedestrian control <input type="checkbox"/> Experience	
Respirator		Scaffolds/Aerial Lifts/Ladders		<input type="checkbox"/> Traffic/Train control <input checked="" type="checkbox"/> Homeless	
SCBA, PAPR, 1/2 face, N95, combo, other (specify)		Employee Certification/Training Required		Tools/Equipment:	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	OSHA 40 HAZWOPER		<input checked="" type="checkbox"/> Inspection of tools <input checked="" type="checkbox"/> Correct tools <input checked="" type="checkbox"/> Correct use	
Foot Protection		OSHA 10/30 Construction Safety		<input checked="" type="checkbox"/> Lifts/ladders <input type="checkbox"/> Lights <input checked="" type="checkbox"/> IAQ meters	
Safety toe, rubber, wader, ice cleat, other (specify)		Aerial/Scissor/Manlift/PIV Operator		<input type="checkbox"/> Pumps <input type="checkbox"/> Saws <input type="checkbox"/> Cords/GFCI <input type="checkbox"/> Drills/Grinders	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Railroad/Railsafe		<input type="checkbox"/> Specialized tools/equipment <input type="checkbox"/> Fire extinguisher	
Hand Protection		Confined Space Entry/Fall Protect		Special Precautions: <input checked="" type="checkbox"/> Poison ivy <input checked="" type="checkbox"/> Ticks/bees	
Kevlar, cut resistant, chemical, (nitric) other (specify)		BloodBorne Pathogen/Silica		<input type="checkbox"/> Condition of structures <input checked="" type="checkbox"/> Weather <input type="checkbox"/> Lighting	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	ACM/LBP/Rn (I, RA, PM)		<input checked="" type="checkbox"/> Bridges <input checked="" type="checkbox"/> Terrain <input checked="" type="checkbox"/> Water bodies <input checked="" type="checkbox"/> Highway/Rail	
Head Protection		USDOT HazMat Shipper		<input type="checkbox"/> Spills and leaks <input checked="" type="checkbox"/> Environmental <input type="checkbox"/> Cultural	
hard hat, electrical hazard, other (specify)		XRF/Radiation Safety		Other: _____	
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Other (specify)			
Clothing					
coveralls, tyvek, rain, FR (hi-vis vest) life vest,					
chemical, warmth, other (specify)					
Hearing Protection					
plugs, muffs, other (specify)					

If Conditions CHANGE...Stop Work, Review, and Revise the Plan!!

Page 1 Rev. 10-4-19

BSI Daily Job Safety Assessment Briefing

Potential Hazards Associated with the Job/Task		Weather					
Environmental	Slip/Trip/Fall	Chemical	Electrical	Mechanical	Ergonomic	Struck By/Against	Weather
<input type="checkbox"/> Asbestos/Lead <input type="checkbox"/> PCB/Mercury <input type="checkbox"/> Dust/Silica <input type="checkbox"/> BBP <input type="checkbox"/> Mold/Moisture <input type="checkbox"/> Insects/Animals <input type="checkbox"/> Poison Plants <input type="checkbox"/> Noise/Lighting <input type="checkbox"/> Radiation	<input checked="" type="checkbox"/> Falls from height <input checked="" type="checkbox"/> Slippery Surfaces <input checked="" type="checkbox"/> Trip over Object <input checked="" type="checkbox"/> Walking Surfaces <input type="checkbox"/> Excavations/Holes <input type="checkbox"/> Stairs/Ladders <input type="checkbox"/> Uneven Ground <input type="checkbox"/> Poor Terrain <input type="checkbox"/> Housekeeping	<input type="checkbox"/> Toxic <input type="checkbox"/> Flammable <input type="checkbox"/> Corrosive <input type="checkbox"/> Skin Absorb	<input type="checkbox"/> Shock <input type="checkbox"/> Short Circuit <input type="checkbox"/> Static <input type="checkbox"/> Fire <input type="checkbox"/> Utility Strike <input type="checkbox"/> LOTO	<input type="checkbox"/> Ego't Failure <input type="checkbox"/> Moving Parts <input type="checkbox"/> Rotating Parts <input type="checkbox"/> Heavy Ego't Op <input type="checkbox"/> Crushing <input type="checkbox"/> Crane/Rigging <input type="checkbox"/> Aerial Lifts <input type="checkbox"/> Driving	<input type="checkbox"/> Repetitive Motion <input type="checkbox"/> Vibration <input type="checkbox"/> Lifting/Pulling <input type="checkbox"/> Access/Egress <input type="checkbox"/> Confined Space <input type="checkbox"/> Tool Use	<input checked="" type="checkbox"/> Vehicles <input checked="" type="checkbox"/> Trains <input type="checkbox"/> Projectiles <input type="checkbox"/> Falling Objects	<input type="checkbox"/> Snow/Ice <input type="checkbox"/> Rain <input checked="" type="checkbox"/> Sun <input type="checkbox"/> Heat <input type="checkbox"/> Humidity <input checked="" type="checkbox"/> Wind <input type="checkbox"/> Cold

List hazards associated with this task

Engineering controls/work practices to eliminate/control hazards?

Driving to/from job site
Person Inj
Bugs - animals
Traffic
walking on highway

No cell use/hands free/first move fwd
Be vigilant, watching plan you ship
Keeping alert for moment
thru vis
Walking away from traffic
as far from road as possible

Post Task Safety Analysis

Did any injuries/incidents/near misses occur today? If yes, explain.
☐ Yes ☒ No

Was injury/incident reported to Supervisor, Corp Safety Dept (Intelix) & WorkCare within 24 hrs?
☐ Yes ☐ No ☒ N/A

What problems did you have with today's work assignment?
Tough to access bridges

What can we do tomorrow to improve performance?

Were any Safety Observations/Safe Catches/Near Miss reports submitted today?
☐ Yes ☒ No

Names/Signatures of Crew Members Present
Nick Selvo
Tyler Mott

Date:

Supervisor Signature:

Page 2

Rev. 10-4

Surveys Performed

Asbestos, XRF, Hazardous Materials Inventory

Asbestos Section

(2), C, 1, Black, hard tar , 2

Representative Photos





Under bridge #03176

Sample Location

Under bridge #03176

Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-10-21
Time	10:05
Sample Location Photo	



Under bridge #03176

Sample Location	Under bridge #03176
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-10-21
Time	10:06

Sample Location Photo



Material Information

Sampled or Assumed?	Sampled
Material Acronym	C, 1
Material Description	Black, hard tar
Is Material a Non-Friable Organically Bound (NOB)	Yes
Homogeneous Area	Along the top and underside of both bridges where bridge meets road, assumed on other side in same location.
Total Approximate Quantity	250 LF
Total Count	(2)
Total Count (number only)	2

(2), C, 2, White, brittle guardrail caulking, 2

Representative Photos



Route 8 south

Sample Location	Route 8 south
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-10-21
Time	10:19

Sample Location Photo



Route 8 south

Sample Location	Route 8 south
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-10-21
Time	10:20

Sample Location Photo



Material Information

Sampled or Assumed?	Sampled
Material Acronym	C, 2
Material Description	White, brittle guardrail caulking
Is Material a Non-Friable Organically Bound (NOB)	Yes
Homogeneous Area	Under every guardrail pedestal on bridge
Total Approximate Quantity	340 guardrail pedestals, each 1' x 1'
Total Count	(2)
Total Count (number only)	2

(2), C, 3, Black sidewalk caulking, 2

Representative Photos



Route 8 south

Sample Location	Route 8 south
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-10-21
Time	10:23

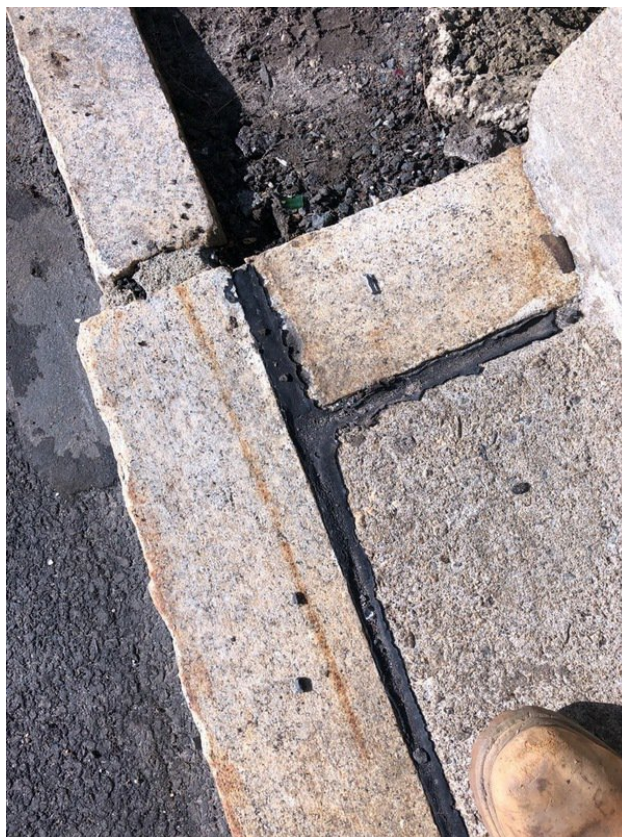
Sample Location Photo



Route 8 south

Sample Location	Route 8 south
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-10-21
Time	10:23

Sample Location Photo



Material Information

Sampled or Assumed?	Sampled
Material Acronym	C, 3
Material Description	Black sidewalk caulking
Is Material a Non-Friable Organically Bound (NOB)	Yes
Homogeneous Area	Between every curb and sidewalk along bridges on both sides.
Total Approximate Quantity	2500 LF
Total Count	(2)
Total Count (number only)	2

(2), C, 4, Hard, off white caulk, 2

Representative Photos



Route 8 south

Sample Location	Route 8 south
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-10-21
Time	10:26

Sample Location Photo



Route 8 south

Sample Location	Route 8 south
Analyze by Layer	No
Asbestos Bulk Analysis	PLM EPA 600/R93/116
Grab or Composite	Grab
Date	2019-10-21
Time	10:26

Sample Location Photo



Material Information

Sampled or Assumed?	Sampled
Material Acronym	C, 4
Material Description	Hard, off white caulk
Is Material a Non-Friable Organically Bound (NOB)	Yes
Homogeneous Area	Between wire fencing and concrete barriers on bridge. Assumed in every place where wire fencing meets concrete barriers
Total Approximate Quantity	25 areas
Total Count	(2)
Total Count (number only)	2

PI, 1, Pipe with black insulation running along the west side of route 8 South, 0

Representative Photos



Material Information

Sampled or Assumed?	Assumed
Accessibility	Inaccessible
Material Acronym	PI, 1
Material Description	Pipe with black insulation running along the west side of route 8 South
Is Material a Non-Friable Organically Bound (NOB)	No
Homogeneous Area	Along west side on route 8 south
Total Approximate Quantity	500 LF
Total Count (number only)	0

XRF Section

Niton XRF Model No.	24792
XRF Survey Completed	Yes
XRF Data Downloaded	Yes
XRF Shots >1.0 on non-metallic building materials	No
Date Data Downloaded	2019-10-21

HAZMAT Inventory Section

Under bridge #03177 & #03176

Inventory Area Description	Under bridge #03177 & #03176
----------------------------	------------------------------

Miscellaneous, Guano/animal waste

HAZMAT Item Description	Miscellaneous, Guano/animal waste
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HAZMAT Item Size

Under both bridges, south side

HAZMAT Item Photo





On top of bridges

Inventory Area Description

On top of bridges

Universal Waste (UW), Fluorescent bulbs

HAZMAT Item Description

Universal Waste (UW), Fluorescent bulbs

HAZMAT Item Common Name

Street lights

HAZMAT Item Quantity

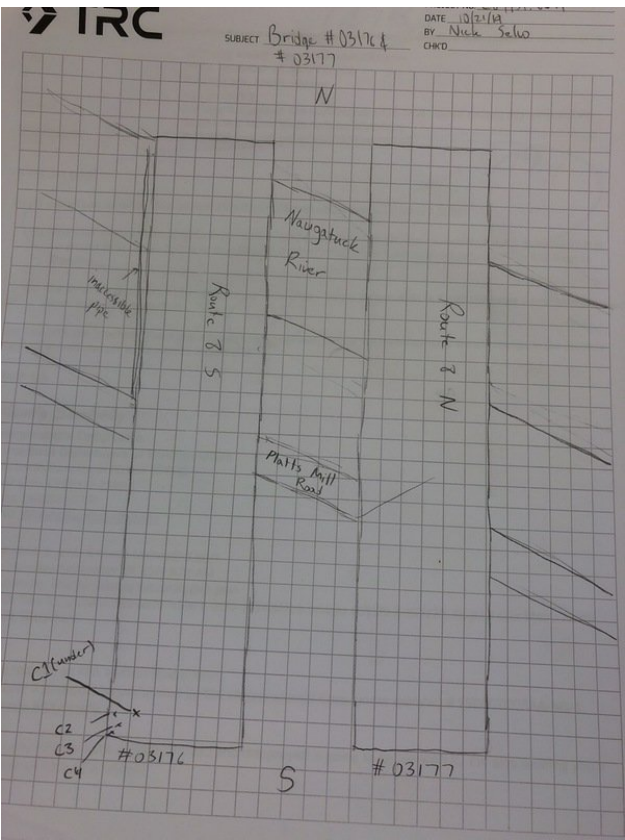
7

HAZMAT Item Photo



General Information

Site Sketch Diagrams



Asbestos Samples Submitted to TRC Lab	Yes
Date Submitted to Lab	2019-10-21
App Name	WinBSI HBM Survey 1.0

Generate Report Documentation

Select one or more documents below to be generated. Once completed in the cloud, they will be sent to the listed email address. Please report any difficulties or errors to Justin Coleman.

What documents should be generated?	Asbestos chain-of-custody
Where should the document(s) be sent?	nselvo@trccompanies.com
Generate Documents	N/A

STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION




memorandum

subject: Task 100 Environmental Screening
Project No: 0151-0333

Rehab Bridges 03176 & 03177 Route
8 over Naugatuck River and Platts Mill
Road

date: 5/24/2018

to: Rabih M. Barakat
Transportation Principal Engineer
Bureau of Engineering and Construction

from: Adam G. Fox, P.E.  Adam Fox
2018.05.25
14:42:30-04'00'
Transportation Principal Engineer
Bureau of Engineering and Construction

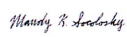
In response to your email dated 4/26/2018, this project has been reviewed and determined that further investigations are warranted.

Upon receipt of preliminary documents, this project will be surveyed for lead-based paint and any other contaminated or hazardous materials (e.g asbestos, guano, hazmat items, etc). Specifications, notice to contractor and cost estimates will be provided, if required, pending the results of this survey.

Attached is a copy of the Task 100, Environmental Screening Review form by which the project was evaluated.

If you have any questions, please contact Mandy K. Socolosky at extension 3396.
Attachment

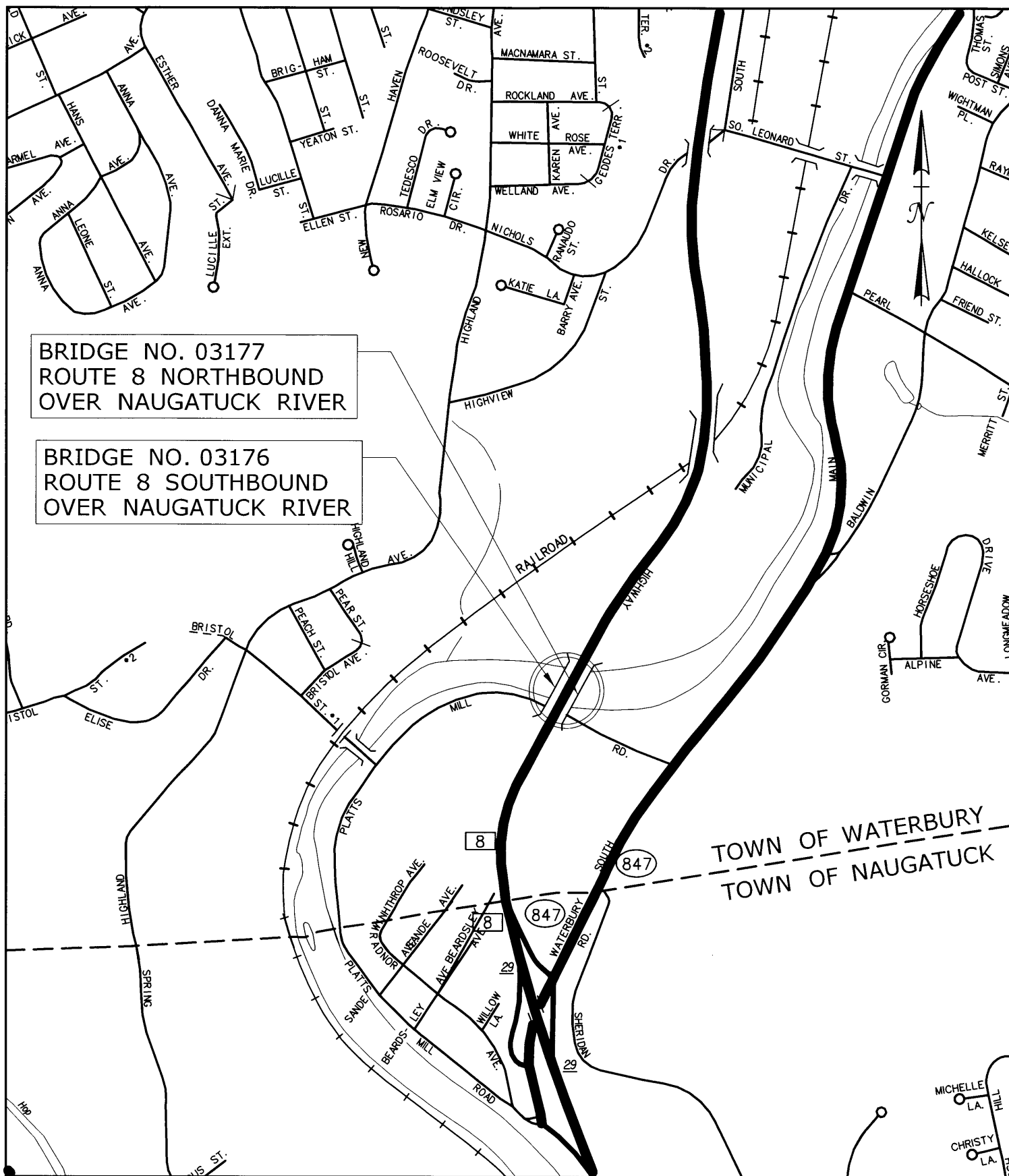
Mandy K. Socolosky

 2018.05.24
15:06:20-04'00'

cc: Theodore H. Nezames – Rabih M. Barakat – Andrew J. Cardinali – Jonathan W. Kang
Adam G. Fox – Jason M. Coite – Mandy K. Socolosky

 Digitally signed by Jason
Coite
Date: 2018.05.25
11:16:29-04'00'

S:\Envircom\Jobtrack 2016\templates\Screen_template_task710.docx



BRIDGE NO. 03177
ROUTE 8 NORTHBOUND
OVER NAUGATUCK RIVER

BRIDGE NO. 03176
ROUTE 8 SOUTHBOUND
OVER NAUGATUCK RIVER

SCALE IN FEET



STATE PROJECT NO.:

151-333

CITY/TOWN:

WATERBURY



STATE OF CONNECTICUT
DEPARTMENT OF TRANSPORTATION



BRIDGE NO. 03176 AND 03177
LOCATION MAP



CME ASSOCIATES, INC.
32 Crabtree Lane, Waterbury, CT 06801
333 East River Drive, East Hartford, CT 06108

DATE:

10/2016

SHEET NO.:

1 OF 1